

Delaware River American Shad Hydroacoustic Monitoring Report at Route 202 Bridge
4/12-4/18/2004

Delaware River Conditions

- Discharge: On 12 April average daily river discharge was at a spring low of just under 10,000 cubic feet per second. Over the following 3 days discharge increased significantly each day, peaking at over 26,000 cfs on 15 April. Then over the next 3 days river discharge decreased each day, declining to approximately 17,500 cfs by 18 April.
- Temperature: On 12 April mean water temperature was approximately 50°F. On 13 April water temperature declined to approximately 48°F. Then over the next 5 days average daily river temperature increased each day, reaching nearly 55°F by 18 April.

Shad School Observations

Data auditing and target verification conducted on data collected from 12 April to 18 April 2004.

- Setup 1: No shad observations in span 1 during monitoring period.
- Setup 2: Schools detected in span 2 on 16 April, and in span 3 on 13, 17, and 18 April.
- Setup 3: Schools detected in span 4 on 12 and 18 April, and in span 5 only on 18 April.
Highest daily shad passage to date in 2004 appears to have occurred on 18 April.

Additional notes : Based upon past hydroacoustic studies, the majority of the run should pass the route 202 bridge from 4/19 through 4/30.